

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently amended) A method for providing diversity handover, (DHO), related instructions to a first DHO tree node that is a part of or is planned to be a part of a DHO connection in a mobile telecommunication network, wherein the DHO functionality is distributed to one or a plurality of DHO nodes, including a Radio Network Controller, (RNC), and its connected Node Bs, in the network, the method comprising:

a DHO node including in a first signaling message one or more transport layer addresses and one or more transport bearer reference parameters in order to direct one or more data flows between the RNC and a mobile station of the DHO connection, and

the DHO node sending the first signaling message to the first DHO tree node,

wherein the DHO functionality performed by the first DHO tree node comprises splitting of downlink data flows and combining of uplink data flows, and

wherein the first DHO tree node is separate from the RNC.

2. (Currently amended) The method according to claim 1, wherein the including-step comprises: